**More Coordinate Transformations** Name:

Rodriguez/GeoH

Experiment with some reflections….

**Part 2**: Here’s a new figure:

*M*(-4, 4), *A*(-2, 2), *T*(-3, 1), *H*(-5, 1)

* Reflect it over the line y = x
* Reflect it over the line y = -x

Then, determine a general rule for reflecting any point over the lines y = x and y = -x.

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**Part 1**: Start with this triangle:

*A*(2,3), *B*(2,-1), *C*(-1,-1)

* Reflect it over the line y = -2
* Reflect it over the line y = 4
* Reflect it over the line x = 4
* Reflect it over the line x = -3
* Reflect it over the origin (0, 0)

Determine rules (if possible) for:

* Reflection over y = (number)
* Reflection over x = (number)
* Reflection over the origin

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